

WHAT IS CLAIMED IS:

1. A hydraulic shock absorber for a vehicle, comprising:
a slide member slidably provided within a cylinder tube; and
a working fluid chamber provided within the cylinder tube and
5 the slide member, wherein
a guide bush coated with a polytetrafluoroethylene and an oil
seal sealing the fluid chamber disposed in an inner periphery of the
cylinder tube so as to be in slide contact with an outer peripheral surface
of the slide member, and
10 an amorphous hard carbon film disposed on the outer peripheral
surface of the slide member.
2. The hydraulic shock absorber for a vehicle according to claim 1,
wherein grooves having a fine depth and holding the working fluid are
15 formed in a net shape on a surface of the amorphous hard carbon film.
3. The hydraulic shock absorber for a vehicle according to claim 2,
wherein the net-shaped grooves have a depth between 0.09 and 0.2 μm .